

AMENDMENTS TO THE SPECIFICATION

Please add the following new paragraphs after paragraph [61] in the BRIEF DESCRIPTION OF SEVERAL VIEWS OF THE DRAWINGS Section:

[61.1] FIG. 17 shows a diagram that compares and illustrates differences between time and frequency domain signals for traditional single carrier modulation and frequency-diverse single carrier modulation, which may be utilized in connection with frequency diverse single carrier modulation for ultra-wide-band communication systems, in accordance with an embodiment of the invention.

[61.2] FIG. 18 shows a block diagram of an exemplary frequency-diverse single carrier modulation transceiver that may be utilized for ultra-wide-band, in accordance with an embodiment of the invention.

[61.3] FIG. 19 shows a block diagram of an exemplary system in which each neighboring piconet utilizes a slightly different symbol rate, in accordance with an embodiment of the invention.

[61.4] FIG. 20 shows a block diagram of an exemplary system that utilizes an encoder and an interleaver in a transmitter, and a decoder and de-interleaver in the receiver to enhance performance, in accordance with an embodiment of the invention.